rFOIL® Reflective Insulation

TECHNICAL DATA SHEET

ULTRA NT RADIANT BARRIER (SCIF's) SOLID

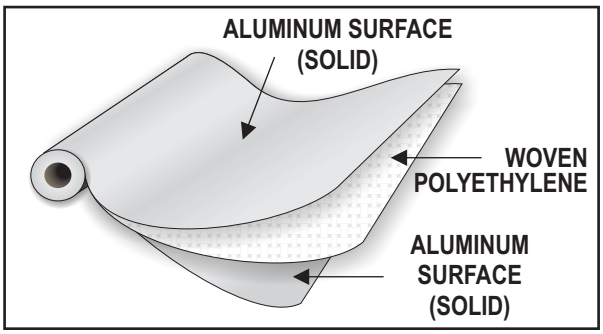
Designed for (SCIF's) Sensitive Compartmental Information Facilities

TECHNICAL DATA

Product Description:

rFOIL® Ultra NT Radiant Barrier is a heavy duty radiant barrier sheet made up of a single layer of woven polyethylene material bonded to and sandwiched between two highly reflective aluminum surfaces.

Ultra NT Radiant Barrier is designed to be used in Sensitive Compartmented Information Facilities (SCIF's). In addition to being a highly effective radiant barrier, Ultra NT solid is also an approved vapor barrier.



Stock Sizes Available (Rolls):

Size	**48" X 125'** (solid)
Part No.	1800-48-125S

(SOLID product)

Features:

- Minimum Shielding Effectiveness (100MHz – 10GHz): 85 dB
- Highly reflective radiant barrier surface
- Thermal performance unaffected by moisture
- Durable and flexible woven polyethylene base
- Reflects 97% of Radiant Heat
- Unrolls and cuts easily
- Increases sound attenuation for SCIF's

Applications:

- Sensitive Compartmented Information Facilities (SCIF's)

Physical Properties	Test	Value
EMISSIVITY	ASTM C1371-04A	0.03
REFLECTIVITY	—	0.97
CORROSIVENESS	ASTM D3310-00	PASSES
FIRE RATING	ASTM E84-09	CLASS 1 / CLASS A
BLEEDING & DELAMINATION	ASTM C1313-05	No Bleeding or Delamination
PLIABILITY	ASTM C1313-05	No Cracking or Delamination
TEAR RESISTANCE	ASTM D2261	Length 14.93 / Width 15.13
WATER VAPOR PERMEABILITY	ASTM E96-05	0.01 Perms
RESISTANCE TO FUNGI	ASTM C1338-08	PASSES
SHIELDING EFFECTIVENESS	IEEE-299:1997	(100MHz - 10GHz) : 85 dB

Verified by RIMA International™ REFLECTIVE INSULATION MANUFACTURERS ASSOCIATION US-006-20

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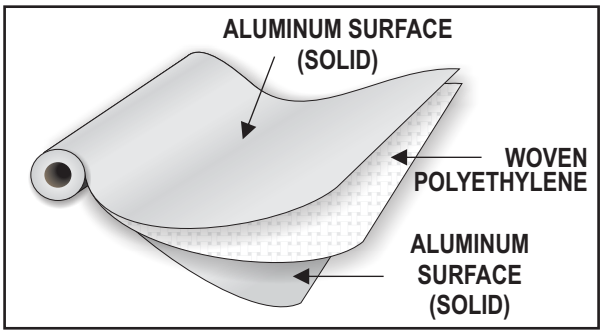
TECHNICAL DATA

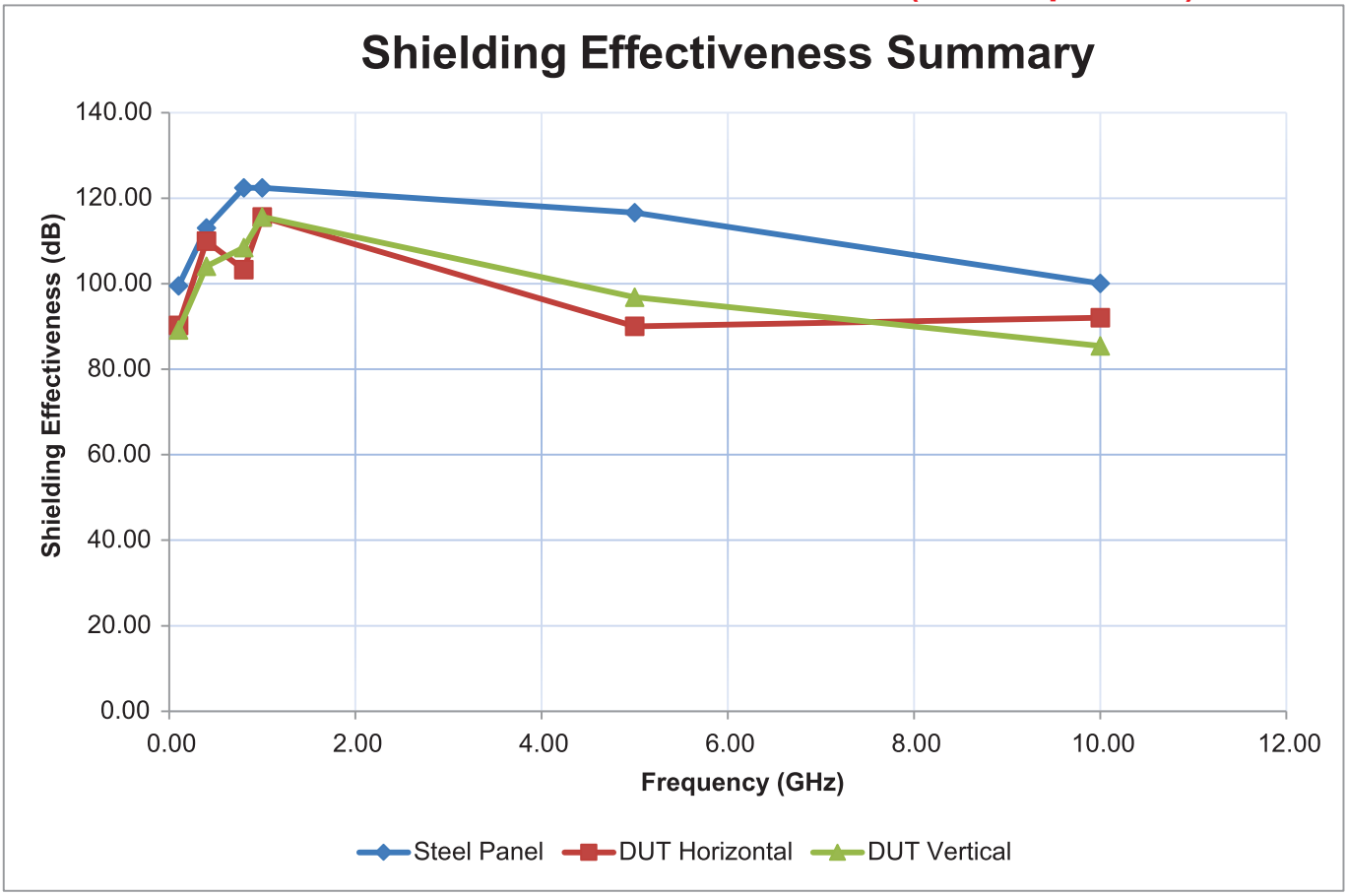
Application Notes:

The Architectural Specifications for any particular job shall override the information presented on this Technical Data Sheet with regards to the appropriate products to use and the appropriate installation method to use for that particular job.



Shielding Effectiveness - Test Standard IEEE-299 / ASTM D4935

Test results for Ultra NT Radiant Barrier 1800-48-125S **(SOLID product)**



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